GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO:914
ANSWERED ON:28.04.2016
Generation of Solar/Wind Energy
Meghwal Shri Arjun Ram

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether any technology has been developed which can generate solar energy in day and wind energy at night;

(b) if so, the details thereof;

(c) whether the Government proposes to utilize the said technology at those places in the country where solar energy and wind energy can be generated simultaneously; and

(d) if so, the names and details of the said places?

Answer

THE MINISTER OF STATE FOR POWER, COAL & NEW AND RENEWABLE ENERGY (INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a),(b),(c)&(d): Solar and wind energy are natural resources and their availability varies with time. Technologies have been developed to generate power from these resources as and when they are available.
Ministry is promoting a scheme for programme on "Small Wind Energy and Hybrid systems (SWES)", wherein both the solar energy and wind energy are effectively utilized for power generation by installing a hybrid system consisting of both Solar Photovoltaics and aero-generator/ small wind turbine technologies.

The programme is being implemented throughout the country depending on the wind and solar power potential of the locations.
As of 31.03.2016, an aggregate capacity of 2690.80 kW of the aero-generators/ hybrid systems had been installed in following States/UTs:
State Total cumulative capacity kW

Andhra Pradesh 16
Arunachal Pradesh 6.8
Assam 6
Goa 193.8
Gujarat 20
Haryana 10
Jammu & Kashmir 46.4
Karnataka 39.2
Kerala 8
Madhya Pradesh 24
Maharashtra 1613.6
Manipur 140
Meghalaya 191.5
..2/-

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Nagaland 20
Odisha 13.1
Pondicherry 5
Punjab 50
Rajasthan 14
Sikkim 15.5
Tamil Nadu 157.9
Tripura 2
West Bengal 74
Uttarakhand 24
Total 2690.8